BRUHAT BENGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAIN AT SURYA VAMSHI LAYOUT IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Estimate Cost Rs. 20.00 Lakhs Rate	Amount
1	**Removing B.S. slab** of Drain and stacking.(P No.25 / I N 5.32)								
	for Drain	Sqm							
	2nd Cross Suryavamshi Layout		2	100.00	1.50		300.00		
	3rd Cross Suryavamshi Layout		2	100.00	1.50		300.00		
	4th Cross Suryavamshi Layout		1	20.00	1.50		30.00		
							630.00	65.72	**41404.00**
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
2	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1)								
	Desilting for Drain	Cum							
	2nd Cross Suryavamshi Layout		2	100.00	0.60	0.75	90.00		
	3rd Cross Suryavamshi Layout		2	100.00	0.60	0.50	60.00		
	4th Cross Suryavamshi Layout		2	23.00	0.60	0.80	22.08		
							172.08	86.92	**14957.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
			Qty Vide Item No.2				**172.08**	100.00	**17208.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
4	**Refixing stone slabs** of drains and pointing in C.M.(1:3)(P.No.25/I.No.5.33)								
		Sqm							
			70% of Qty Vide Item No.1				**441.00**	80.56	**35527.00**

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick (Page No.25, Item No. 5.31.1)								
		Sqm							
			30% of Qty Vide Item No.1				189.00		
							189.00	665.68	**125814.00**
	Basic Rate	628.00							
	Area Weightage @ 6%	37.68							
	Total	**665.68**							
6	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
	2nd Cross Suryavamshi Layout		2x2	100.00	0.20	0.10	8.00		
	3rd Cross Suryavamshi Layout		2x2	100.00	0.20	0.10	8.00		
	4th Cross Suryavamshi Layout		2x2	23.00	0.20	0.10	1.84		
							17.84	5159.02	**92037.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
7	KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of proportion 1:1.5:3 blocks of size **40x20x20cms.(lxbxh) strength not less than 3.5 Newton per sqmm** with cement mortar 1:4 conforming to I.S.2185 of 1967 having not less than 40mm.shell thickness with two or more large cavities and having solid material between including cost of materials, labour charges, scaffoldings, curing complete as per specifications. KBS No.5.4 (P.24 / I.N 5.25)								
	for Drain	Sqm							
	2nd Cross Suryavamshi Layout		2x2	100.00		0.40	160.00		
	3rd Cross Suryavamshi Layout		2x2	100.00		0.40	160.00		
	4th Cross Suryavamshi Layout		2x2	23.00		0.40	36.80		
							356.80	974.14	**347573.00**
	Basic Rate	919.00							
	Area Weightage @ 6%	55.14							
	Total	**974.14**							
8	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)								

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
		Sqm							
			2x2	100.00		0.40	160.00		
			2x2	100.00		0.40	160.00		
			2x2	23.00		0.40	36.80		
							356.80	102.82	**36686.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
9	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2.(P No. 13 / Item No.4.7)								
	for Drain coping	Cum							
	2nd Cross Suryavamshi Layout		2x2	100.00	0.20	0.10	8.00		
	3rd Cross Suryavamshi Layout		2x2	100.00	0.20	0.10	8.00		
	4th Cross Suryavamshi Layout		2x2	23.00	0.20	0.10	1.84		
							17.84	5598.92	**99885.00**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							
10	Providing and fixing **RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm** and down size graded granite metal , machine mixed , including cost of all material , labour , HOM of Machinery , curing complete								
	for Drain covering slab	Sqm							
	2nd Cross Suryavamshi Layout		2	100.00	0.90		180.00		
	3rd Cross Suryavamshi Layout		2	100.00	0.90		180.00		
	4th Cross Suryavamshi Layout		2	23.00	0.90		41.40		
							401.40	2100.00	**842940.00**
	Data Rate	**2100.00**							
11	5.29(b)Providing and fixing **pre cast solid cement concrete kerb stones** made out of No.272.21 C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete (P.No.25 /It.No.5.30)								
		No							
			2	223.00		$\frac{446.00}{0.45}$	991.11		
							991.11		
						Say	**990.00**	331.78	**328462.00**
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**331.78**							
12	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications. (Page no.121 / It no.15.80)								
		Sqm							
			2	223.00		0.40	178.40		
							178.40	27.56	**4917.00**
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	**27.56**							
13	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.182 & Item No.24.1)								
		Sqm							
				Qty Vide Item No.12			**178.40**	63.60	**11346.00**
	Basic Rate	60.00							
	Area Weightage @ 6%	3.60							
	Total	**63.60**							
14	Miscellaneous and unforeseen charges	LS							**1244.00**
							Grand Total Amount		**2000000.00**

(RupeesTwenty Lakhs Only)

CERTIFICATE

1) The site has been inspected and the work is found to be necessary.
2 The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle
3) The provisions were made in this estimate are necessary and adequate.
4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Executive Engineer
Yelahanka Division
B.B.M.P

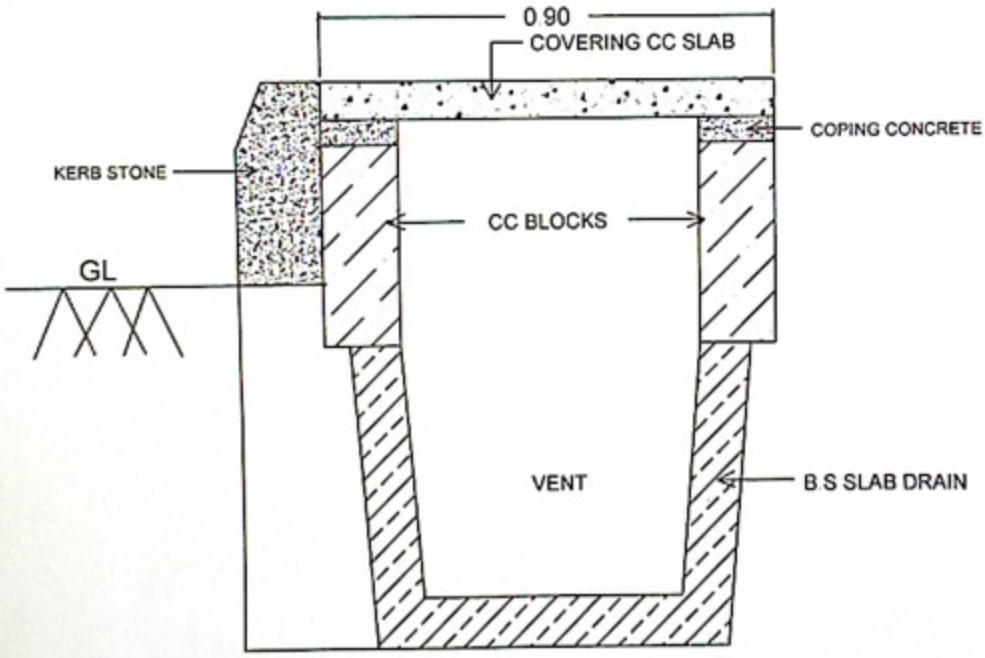
Administrative Approval
Accorded For 20.00 lakh Rs
Head of A/C P.1771
CER NO : 178 **Dt:** 16/02/17

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 L
Rupees Twenty Lakhs only
Under P.1771-2016.17
Registered as CE ( ) No. 99
Subject to conditions contained in enclosed memo EE ( ) No. /9/
Dt. Estimate A/ Sanctioned
EE/TE/63/16.17 No.
Dated 16.2.17 Rs. 20.00 L

Executive Engineer

NAME OF WORK :IMPROVEMENTS TO ROADS AND DRAIN AT SURYA VAMSHI LAYOUT IN WARD NO.02 OF YELAHANKA SUB-DIVISION



TYPICAL CROSS SECTION OF SOLID BLCKS FLAGGING COURSE DRAIN

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

NAME OF WORK : IMPROVEMENTS TO ROADS AND DRAIN AT SURYA VAMSHI LAYOUT IN WARD NO.02 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE

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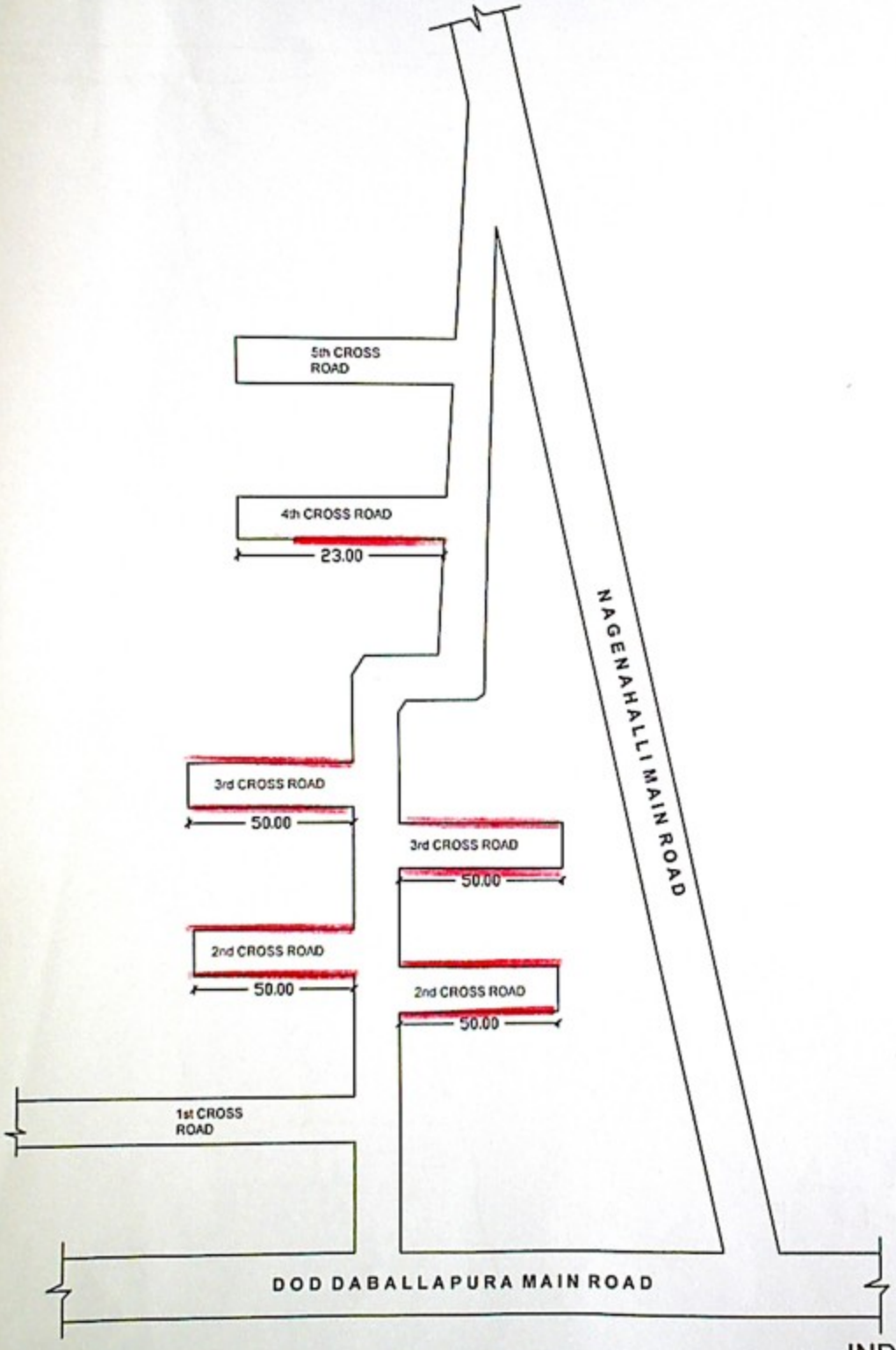

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Assistant Engineer
Ward No.02
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P